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Molecular Biology  
(TM)  
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Release 3.1a John F. Collins, BioComputing Research Unit.  
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Mparc\_hp protein - protein database search, using Smith-Waterman algorithm  
Run on: Thu Oct 21 16:36:36 1999; MasPar time 1.70 Seconds  
Tabular output not generated. 110.090 Million cell updates/sec

Title: >US-08-978-217-12  
Description: (1-16) from US08978217.pep  
Perfect Score: 110  
Sequence: 1 KNSGKWEVYQSRN 16

Scoring table: PAM 150  
Gap 15

Searched: 119857 segs, 11713122 residues

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database: a-issued  
1:5A\_COMB 2:5B\_COMB 3:PCT9\_COMB 4:backfiles1

Statistics: Mean 18.309; Variance 62.631; scale 0.292

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description                       | Pred. No. |
|------------|-------|-------------|--------|----|-----------------------------------|-----------|
| 1          | 110   | 100.0       | 371    | 2  | US-08-746-Sequence 2, Applicatio  | 1.29e+04  |
| 2          | 71    | 64.5        | 2431   | 1  | US-07-920-Sequence 2, Applicati   | 1.86e+00  |
| 3          | 64    | 58.2        | 60     | 2  | US-08-537-Sequence 18, Applicati  | 9.40e+00  |
| 4          | 62    | 56.4        | 2500   | 2  | US-08-801-Sequence 2, Applicatio  | 1.48e+01  |
| 5          | 62    | 56.4        | 2512   | 2  | US-08-801-Sequence 9, Applicatio  | 1.48e+01  |
| 6          | 62    | 56.4        | 2517   | 2  | US-08-801-Sequence 5, Applicatio  | 1.48e+01  |
| 7          | 57    | 51.8        | 591    | 2  | US-08-852-Sequence 4, Applicatio  | 4.54e+01  |
| 8          | 57    | 51.8        | 591    | 2  | US-08-852-Sequence 6, Applicatio  | 4.54e+01  |
| 9          | 57    | 51.8        | 620    | 2  | US-08-852-Sequence 2, Applicatio  | 4.54e+01  |
| 10         | 57    | 51.8        | 664    | 2  | US-08-852-Sequence 8, Applicatio  | 4.54e+01  |
| 11         | 56    | 50.9        | 189    | 2  | US-08-884-Sequence 3, Applicatio  | 5.66e+01  |
| 12         | 56    | 50.9        | 189    | 2  | US-09-096-Sequence 3, Applicatio  | 5.66e+01  |
| 13         | 55    | 50.0        | 189    | 2  | US-09-096-Sequence 4, Applicatio  | 7.05e+01  |
| 14         | 55    | 50.0        | 189    | 2  | US-08-884-Sequence 4, Applicatio  | 7.05e+01  |
| 15         | 52    | 47.3        | 717    | 1  | US-08-435-Sequence 2, Applicatio  | 1.35e+02  |
| 16         | 52    | 47.3        | 1184   | 2  | US-08-064-Sequence 20, Applicati  | 1.35e+02  |
| 17         | 52    | 47.3        | 1184   | 1  | US-08-446-Sequence 20, Applicati  | 1.35e+02  |
| 18         | 52    | 47.3        | 1184   | 2  | US-09-066-Sequence 20, Applicati  | 1.35e+02  |
| 19         | 52    | 47.3        | 1184   | 1  | US-08-446-Sequence 20, Applicati  | 1.35e+02  |
| 20         | 52    | 47.3        | 1184   | 2  | US-08-805-Sequence 20, Applicati  | 1.35e+02  |
| 21         | 52    | 47.3        | 1187   | 3  | PCT-US95-1-Sequence 8, Applicatio | 1.35e+02  |
| 22         | 52    | 47.3        | 1187   | 2  | US-08-003-Sequence 8, Applicatio  | 1.35e+02  |
| 23         | 52    | 47.3        | 1187   | 1  | US-08-357-Sequence 8, Applicatio  | 1.35e+02  |

| RESULT | ID | US-08-746-789A-2 | STANDARD: | PRT: | 371 AA.                           |          |
|--------|----|------------------|-----------|------|-----------------------------------|----------|
| 24     | 52 | 47.3             | 1187      | 1    | US-08-097-Sequence 13, Applicati  | 1.35e+02 |
| 25     | 51 | 46.4             | 347       | 1    | US-08-118-Sequence 47, Applicati  | 1.67e+02 |
| 26     | 51 | 46.4             | 347       | 3    | PCT-US93-0-Sequence 47, Applicati | 1.67e+02 |
| 27     | 51 | 46.4             | 393       | 1    | US-07-629-Sequence 3, Applicatio  | 1.67e+02 |
| 28     | 50 | 45.5             | 398       | 2    | US-08-288-Sequence 15, Applicati  | 2.07e+02 |
| 29     | 50 | 45.5             | 761       | 2    | US-08-710-Sequence 2, Applicatio  | 2.07e+02 |
| 30     | 50 | 45.5             | 761       | 1    | US-07-906-Sequence 2, Applicatio  | 2.07e+02 |
| 31     | 50 | 45.5             | 761       | 3    | PCT-US93-0-Sequence 2, Applicatio | 2.07e+02 |
| 32     | 50 | 45.5             | 761       | 1    | US-08-192-Sequence 2, Applicatio  | 2.07e+02 |
| 33     | 50 | 45.5             | 1018      | 2    | PCT-US93-1-Sequence 75, Applicati | 2.07e+02 |
| 34     | 50 | 45.5             | 1064      | 2    | US-08-537-Sequence 3, Applicatio  | 2.07e+02 |
| 35     | 50 | 45.5             | 2523      | 2    | US-08-185-Sequence 18, Applicati  | 2.07e+02 |
| 36     | 50 | 45.5             | 2955      | 2    | US-08-443-Sequence 3, Applicatio  | 2.07e+02 |
| 37     | 50 | 45.5             | 3011      | 3    | PCT-US91-0-Sequence 10, Applicati | 2.56e+02 |
| 38     | 49 | 44.5             | 17        | 1    | US-08-323-Sequence 60, Applicati  | 2.56e+02 |
| 39     | 49 | 44.5             | 363       | 3    | PCT-US96-0-Sequence 7, Applicatio | 2.56e+02 |
| 40     | 49 | 44.5             | 363       | 3    | PCT-US96-0-Sequence 4, Applicatio | 2.56e+02 |
| 41     | 49 | 44.5             | 363       | 4    | US-08-488-Sequence 7, Applicatio  | 2.56e+02 |
| 42     | 49 | 44.5             | 462       | 4    | 5225348-1-Patent No. 5225348-     | 2.56e+02 |
| 43     | 49 | 44.5             | 462       | 1    | US-08-299-Sequence 1, Applicatio  | 2.56e+02 |
| 44     | 49 | 44.5             | 3011      | 2    | US-08-710-Sequence 2, Applicatio  | 2.56e+02 |
| 45     | 49 | 44.5             | 3011      | 3    | PCT-US95-0-Sequence 1, Applicatio | 2.56e+02 |

ALIGNMENTS

Sequence 1  
US-08-746-789A-2  
xxxxxx

Sequence 2, Application US/08746789A  
Patent No. 5789200  
GENERAL INFORMATION:  
APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck  
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road, P.O. Box 1539  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
COMPUTER: IBM 486  
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
SOFTWARE: MICROSOFT WORD  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/746,789A  
FILING DATE: No. 5789200elember 15, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: William T. Han  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: ATG 50024  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610 270 5219  
TELEFAX: 610 270 4026  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 371  
TYPE: Amino Acid  
TOPOLOGY: Linear  
SEQUENCE 371 AA; 41588 MW; 688671 CN;

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| ID | US-08-   |
| XX |          |
| AC | xxxxxxxx |
| XX |          |

CC FACULTY NO. 201140/  
CC GENERAL INFORMATION:  
CC APPLICANT: Johnston, Robert E  
CC APPLICANT: Davis, Nancy L.  
CC APPLICANT: Simpson, Dennis A.

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CC TITLE OF INVENTION: System for the In Vivo Delivery and
CC TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
CC NUMBER OF SEQUENCES: 12
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
CC STREET: 1211 East Morehead Street
CC CITY: Charlotte
CC STATE: No. 5811407th Carolina
CC COUNTRY: USA
CC ZIP: 28234
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/801.263A
CC FILING DATE: 19-FEB-1997
CC CLASSIFICATION: 514
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Sibley, Kenneth D.
CC REGISTRATION NUMBER: 31,665
CC REFERENCE/DOCKET NUMBER: 5470-147
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 919-420-2200
CC TELEFAX: 919-881-3175
CC INFORMATION FOR SEQ ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 2500 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 2500 AA; 278373 MW; 31917018 CN;
CC
DB 197 NTNWADKVEVLEARN 210
QY 3 SSGMKEEVLOS RN 16
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ID US-08-801-263A-9 STANDARD; PRT; 2512 AA.
AC xxxxxx
XX
XX
XX
XX
Sequence 9, Application US/08801263A
DE Patent No. 5811407
CC GENERAL INFORMATION:
CC APPLICANT: Johnston, Robert E.
CC APPLICANT: Davis, Nancy L.
CC APPLICANT: Simpson, Dennis A.
CC TITLE OF INVENTION: System for the In Vivo Delivery and
CC TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
CC NUMBER OF SEQUENCES: 12
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
CC STREET: 1211 East Morehead Street
CC CITY: Charlotte
CC STATE: No. 5811407th Carolina
CC COUNTRY: USA
CC ZIP: 28234
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
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CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER: US/08/801,263A
CC      FILING DATE: 19-FEB-1997
CC      CLASSIFICATION: 514
CC      ATTORNEY/AGENT INFORMATION:
CC      NAME: Sibley, Kenneth D.
CC      REGISTRATION NUMBER: 31,665
CC      REFERENCE/DOCKET NUMBER: 5470-147
CC      TELECOMMUNICATION INFORMATION:
CC      TELEPHONE: 919-420-2200
CC      TELEFAX: 919-881-3175
CC      INFORMATION FOR SEQ ID NO: 9:
CC      SEQUENCE CHARACTERISTICS:
CC      LENGTH: 2512 amino acids
CC      TYPE: amino acid
CC      TOPOLOGY: linear
CC      MOLECULE TYPE: protein
CC      SEQUENCE 2512 AA; 279574 MW; 32345614 CN;
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      Query Match          56.4%; Score 62; DB 2; Length 2512;
      Best Local Similarity 42.9%; Pred. No. 1,48e+01;
      Match 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
DB      197 NTNMADEKYLEARN 210
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DY      3 SSGWKEEYLOS RN 16
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      AC xxxxxx
      DT
      XX
      DE
      Sequence 5, Application US/08801263A
      XX      Sequence 5, Application US/08801263A
      CC      Patent No. 5811407
      CC      GENERAL INFORMATION:
      CC      APPLICANT: Johnston, Robert E.
      CC      APPLICANT: Davis, Nancy L.
      CC      APPLICANT: Simpson, Dennis A.
      CC      TITLE OF INVENTION: System for the In Vivo Delivery and
      CC      TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow
      CC      NUMBER OF SEQUENCES: 12
      CC      CORRESPONDENCE ADDRESS:
      CC      ADDRESSEE: Bell Seltzer Park & Gibson, P.A.
      CC      STREET: 1211 East Morehead Street
      CC      CITY: Charlotte
      CC      STATE: No. 5811407th Carolina
      CC      COUNTRY: USA
      CC      ZIP: 28234
      CC      COMPUTER READABLE FORM:
      CC      MEDIUM TYPE: floppy disk
      CC      COMPUTER: IBM PC compatible
      CC      OPERATING SYSTEM: PC-DOS/MS-DOS
      CC      SOFTWARE: Patentin Release #1.0, Version #1.30
      CC      CURRENT APPLICATION DATA:
      CC      APPLICATION NUMBER: US/08/801,263A
      CC      FILING DATE: 19-FEB-1997
      CC      CLASSIFICATION: 514
      CC      ATTORNEY/AGENT INFORMATION:
      CC      NAME: Sibley, Kenneth D.
      CC      REGISTRATION NUMBER: 31,665
      CC      REFERENCE/DOCKET NUMBER: 5470-147
      CC      TELECOMMUNICATION INFORMATION:
      CC      TELEPHONE: 919-420-2200
      CC      TELEFAX: 919-881-3175
      CC      INFORMATION FOR SEQ ID NO: 5:
      CC      SEQUENCE CHARACTERISTICS:
      CC      LENGTH: 2517 amino acids
      CC      TYPE: amino acid
      CC

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CC      TOPOLOGY: linear
CC      MOLECULE TYPE: Protein
CC      SEQUENCE 2517 AA: 280042 MW: 32478712 CN:
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Query Match 56.4%; Score 62; DB 2; Length 2517;
Best Local Similarity 42.9%; Pred. No. 1.48e+01;
Matches 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
Db 197 NTNWADEKLEARN 210
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QY 3 SSGWKEEYVLOS RN 16
RESULT 7 STANDARD; PRT: 577 AA.
ID US-08-852-153-4
XX AC xxxxxx
XX DT
XX DE
XX SE Sequence 4, Application US/08852153
XX CC Sequence 4, Application US/08852153
XX CC Patent No. 5914266
XX CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.
CC ZIP: 94608
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/852,153
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Gutth, Joseph H.
CC REGISTRATION NUMBER: 31,261
CC REFERENCE/DOCKET NUMBER: 1224,006
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (510) 923-3888
CC TELEFAX: (510) 655-3542
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 577 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 577 AA: 63869 MW: 1739684 CN:
Db 505 RDPSSWVEDYMQ 517
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Query Match 51.8%; Score 57; DB 2; Length 577;
Best Local Similarity 38.5%; Pred. No. 4.54e+01;
Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
RESULT 8 STANDARD; PRT: 591 AA.
ID US-08-852-153-6
XX AC xxxxxx
XX DT
XX DE
XX SE Sequence 4, Application US/08852153
XX CC Sequence 4, Application US/08852153
XX CC Patent No. 5914266
XX CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.
CC ZIP: 94608
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/852,153
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Gutth, Joseph H.
CC REGISTRATION NUMBER: 31,261
CC REFERENCE/DOCKET NUMBER: 1224,006
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (510) 923-3888
CC TELEFAX: (510) 655-3542
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 577 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 577 AA: 63869 MW: 1739684 CN:

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DT
XX
DE
XX
Sequence 6, Application US/08852153
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CC
CC Sequence 6, Application US/08852153
CC Patent No. 5914266
CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.
CC ZIP: 94608
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: PatentIn Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/852,153
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Gulth, Joseph H.
CC REGISTRATION NUMBER: 31,261
CC REFERENCE/DOCKET NUMBER: 1224,006
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (510) 923-3888
CC TELEFAX: (510) 655-3542
CC INFORMATION FOR SEQ ID NO: 6:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 591 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC CC
CC SEQUENCE 591 AA; 65480 MW; 1825228 CN;
SQ
Query Match 51.8%; Score 57; DB 2; Length 591;
Best Local Similarity 38.5%; Pred. No. 4,54e+01;
Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
Db 519 RDPSSWTEVDYMQ 531
Oy 1 KNSGGMKEEVQLQ 13
RESULT 9 STANDARD: PRT; 620 AA.
ID US-08-852-153-2
xx xxxxxx
xx
xx
Sequence 2, Application US/08852153
DE
CC
CC Sequence 2, Application US/08852153
CC Patent No. 5914266
CC GENERAL INFORMATION:
CC APPLICANT: Randazzo, Filippo
CC TITLE OF INVENTION: Mammalian Sex Comb on Midleg Acts as a Tumor Suppressor
CC NUMBER OF SEQUENCES: 8
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Chiron Corporation
CC STREET: 4560 Horton Street
CC CITY: Emeryville
CC STATE: California
CC COUNTRY: U.S.A.

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Matches 7: Conservative 2: Mismatches 2: Indels 0: Gaps 0:

Db 132 SGEWTEEVLR 142  
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OY 3 SSGMKKEEVLR 13

RESULT 12  
ID US-09-096-082-3 STANDARD: PRT: 189 AA.  
XX xxxxxx  
DT  
XX  
DE Sequence 3, Application US/09096082  
XX Sequence 3, Application US/09096082  
CC Patent No. 5929029  
CC GENERAL INFORMATION:  
CC APPLICANT: Bandman, Olga  
CC APPLICANT: Corley, Neil C.  
CC APPLICANT: Shah, Purvi  
CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN  
CC NUMBER OF SEQUENCES: 4  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.  
CC STREET: 3174 Porter Drive  
CC CITY: Palo Alto  
CC STATE: CA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FASTSEQ for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/09/096,082  
CC FILING DATE:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/884,682  
CC FILING DATE:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Billings, Lucy J.  
CC REGISTRATION NUMBER: 36,749  
CC REFERENCE/DOCKET NUMBER: PF-0330 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 415-855-0555  
CC TELEFAX: 415-845-4166  
CC INFORMATION FOR SEQ ID NO: 3:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 189 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC IMMEDIATE SOURCE:  
CC LIBRARY: GenBank  
CC CLONE: 877  
CC SEQUENCE 189 AA: 21131 MW: 178551 CN:

Query Match 50.9%; Score 56; DB 2; Length 189;  
Best Local Similarity 63.6%; Pred. NO. 5.66e+01;  
Matches 7: Conservative 2: Mismatches 2: Indels 0: Gaps 0:

Db 132 SGEWTEEVLR 142  
1: | | | | |  
OY 3 SSGMKKEEVLR 13

RESULT 13  
ID US-09-096-082-4 STANDARD: PRT: 189 AA.  
XX xxxxxx  
AC xxxxxx

XX  
DT  
DE Sequence 4, Application US/09096082  
XX Sequence 4, Application US/09096082  
XX Patent No. 5929029  
CC GENERAL INFORMATION:  
CC APPLICANT: Bandman, Olga  
CC APPLICANT: Corley, Neil C.  
CC APPLICANT: Shah, Purvi  
CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN  
CC NUMBER OF SEQUENCES: 4  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.  
CC STREET: 3174 Porter Drive  
CC CITY: Palo Alto  
CC STATE: CA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FASTSEQ for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/09/096,082  
CC FILING DATE:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/884,682  
CC FILING DATE:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Billings, Lucy J.  
CC REGISTRATION NUMBER: 36,749  
CC REFERENCE/DOCKET NUMBER: PF-0330 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 415-855-0555  
CC TELEFAX: 415-845-4166  
CC INFORMATION FOR SEQ ID NO: 4:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 189 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC IMMEDIATE SOURCE:  
CC LIBRARY: GenBank  
CC CLONE: 1359717  
CC SEQUENCE 189 AA: 20967 MW: 175626 CN:

Query Match 50.0%; Score 55; DB 2; Length 189;  
Best Local Similarity 54.5%; Pred. NO. 7.05e+01;  
Matches 6: Conservative 3: Mismatches 2: Indels 0: Gaps 0:

Db 132 SGEWTEEVLR 142  
1: | | | | |  
OY 3 SSGMKKEEVLR 13

RESULT 14  
ID US-08-884-682-4 STANDARD: PRT: 189 AA.  
XX  
AC xxxxxx  
DT  
XX  
DE Sequence 4, Application US/08884682  
XX Sequence 4, Application US/08884682  
CC Patent No. 5804419  
CC GENERAL INFORMATION:  
CC APPLICANT: Bandman, Olga  
CC APPLICANT: Corley, Neil C.  
CC APPLICANT: Shah, Purvi

CC TITLE OF INVENTION: CALCIUM-BINDING PHOSPHOPROTEIN  
CC NUMBER OF SEQUENCES: 4  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.  
CC STREET: 3174 Porter Drive  
CC CITY: Palo Alto  
CC STATE: CA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FastSeq for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/884,682  
CC FILING DATE: Filed Herewith  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER:  
CC FILING DATE:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Billings, Lucy J.  
CC REGISTRATION NUMBER: 36,749  
CC REFERENCE/DOCKET NUMBER: PF-0330 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 415-855-0555  
CC TELEFAX: 415-845-4166  
CC INFORMATION FOR SEQ ID NO: 4:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 189 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC IMMEDIATE SOURCE:  
CC LIBRARY: GenBank  
CC CLONE: 1359717  
SQ SEQUENCE 189 AA; 20967 MW; 175626 CN;  
  
Db 132 SCGWTEDVLR 142  
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QY 3 SSGMKKEEVLO 13  
  
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ID US-08-435-925C-2 STANDARD: PRT; 717 AA.  
XX  
AC xxxxxx  
XX  
DT  
XX  
DE Sequence 2, Application US/08435925C  
XX  
CC Sequence 2, Application US/08435925C  
CC Patent No. 5646025  
CC GENERAL INFORMATION:  
CC APPLICANT: Moyer, Donna  
CC TITLE OF INVENTION: SCYTALIDUM CATALASE GENE  
CC NUMBER OF SEQUENCES: 18  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: No. 56460250 No. 5646025disk of No. 5646025th America, Inc.  
CC STREET: 405 Lexington Avenue, 64th Floor  
CC CITY: New York  
CC STATE: New York  
CC COUNTRY: USA  
CC ZIP: 10174-6401  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patent Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/435,925C  
CC FILING DATE: 05-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Lambiris, Elias J.  
CC REGISTRATION NUMBER: 33,728  
CC REFERENCE/DOCKET NUMBER: 4429,000-US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 212-867-0123  
CC TELEFAX: 212-867-9655  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 717 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 717 AA; 78739 MW; 2637111 CN;  
  
Db 272 KASLVWEAQLSGKN 287  
| | | | | : | | : | |  
QY 1 KNSGKKEEVLOSRN 16  
  
Query Match 47.3%; Score 52; DB 1; Length 717;  
Best Local Similarity 43.8%; Pred. No. 1.35e+02;  
Matches 7; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Search completed: Thu Oct 21 16:36:44 1999  
Job time : 8 secs.

